

Irmann, F.  
INFORMATION ON THE MAGNESIUM CARBIDES.  
5 Mar 51, 28p. (figs. omitted) 52 refs.  
Order from SLA \$2.60

62-18965

Trans. of Helvetica Chimica Acta (Switzerland) 1948,  
v. 31, p. 1584-1602.

DESCRIPTORS: \*Magnesium compounds, \*Carbides,  
Preparation, Chemical analysis, Thermochemistry,  
Thermal conductivity, Pyrolysis, Heat of solution,  
Crystal structure, \*Acetylenes, Adsorption

The formation of the magnesium carbides from the  
metal and various hydrocarbons, and also from mag-  
nesium diethyl and acetylene was investigated and their  
temperature condition were determined. In order to  
analyze the gases, acetylene ( $C_2H_2$ ) and methylacetylene  
( $C_3H_4$ ), which are liberated during hydrolysis of the two  
(Chemistry--Inorganic, TT, v. 9, no. 10) (over)

62-18965

I. Irmann, F.

Office of Technical Services

Investigation of the Equilibrium  
on Dissociation of Calcium, Potassium,  
and Sodium Sulphates, both Alone  
and in the Presence of Additives, by  
E. Briner.  
GERMAN, per, Helv. Chim Acta, Vol 31,  
No 7, 1948, pp. 2220-35.  
NLL Ref: 5196 (1435)

Sci-Phys  
July 69

~~387-424~~

<p>Karrer, P., Karanth, K. P., and Benz, J. THE SYNTHESIS OF ISO-AXEROPHTENE. [1962] 15p. Order from K-H \$18.75                            K-H 5062-b  Trans. of Helvetica Chimica Acta (Switzerland) 1969, v. 32, no. 2, p. 436ff.  DESCRIPTORS: Synthesis, Aldehydes, Vitamin A.</p> <p>(Chemistry--Organic, TT, v. 8, no. 9)</p>	<p>62-22485</p> <p>I. Title: Axerophthene I. Karrer, P. II. Karanth, K. P. III. Benz, J. IV. K-H-5062-b V. Kresge-Hooker Science Library Associates, Detroit, Mich.</p>	<p>Office of Technical Services</p>
--	---	-------------------------------------

Esters and Ethers of Synthetic Vitamin A, by  
O. Isler, A. Ronco, W. Guex.

GERMAN, per, Helvetica Chim Acta, Vol XXXII, No 2,  
1949, pp 489-498.

~~REC~~

Sci - Chem

Feb 59

The Occurrence of Hesperidin and Neohesperidin in  
Unripe Oranges and the Ovaries and Stigmas of  
Orange Blossoms, by W. Karrer, 10 p.  
SWISS, per, Helvetica Chimica Acta, Vol XXXII,  
No 3, 1949, pp 714-717.

SLA TT 66-10259

Sci-B&M  
Jun 66

302,761

Karrer, P., Karanth, K. P., and Benz, J.  
ISO-DESMETHYLAXEROPHTHENE. [1962] 7p.  
Order from K-H \$8.75                    K-H 5268-a

Trans. of Helv[etica] Chim[ica] Acta (Switzerland)  
1949, v. 32, p. 1036-1040.

DESCRIPTORS: Vitamin A, Alddehydes, \*Methyl  
radicale.

62-22484

I. Karrer, P.  
II. Karanth, K. P.  
III. Benz, J.  
IV. K-H-5268-a  
V. Kreage-Hooker Science  
Library Associates,  
Detroit, Mich.

(Chemistry--Organic, TT, v. 8, no. 9)

Office of Technical Services

Complexones XV. New Derivatives of Imino-Diacetic Acid and Its Alkaline-Earth Complexes. Relation Between Acidity and Complex-Formation, by G. Schwarzenbach, H. Ackermann, P. Ruckstuhl.

Full translation.

No 4,  
GERMAN, per, Helv Chim Acta, Vol XXXII, 1949,  
pp 1175-1186.

Def Sci Info Sv,  
DRB Canada, T.24.C.

Scientific - Chemistry

Jun 53 CIS

2679:

267,

Metal Indicators. I. Murexide as an Indicator  
for Calcium and Other Metallic Ions. Complex  
Formation and Light Absorption, by G. Schwarzen-  
bach. H. Gysling, 18 pp.

GERMAN, per, Helv Chim Acta, Vol XXXII, 1949,  
pp 1314-1325.

NIH 12-16

Sci - Chemistry  
Jan 60

105, 308

Agency: ACSI  
P.O. #J-8558 R-11895-8  
Title: 199. Metal Indicators, Part II 16 July 70  
Relations between Structure and Complex-Formation  
Capacity in Relatives of Murexide  
Author: H. Gyseling and G. Schwarzenbach  
Source: HELVETICA CHIMICA ACTA, 32, 1314 (1949)  
pp 1484-1504  
Language: German  
Instructions: Translate and type one copy on 8" X 10" bond paper, single spaced. Document may be cut for paste ups. Type "J" number on each page at top center and number each page at top right hand side.

Reaction of Carbon with the Nitrides of  
Calcium, Barium, and Magnesium, and Their  
Relation to the Cyanide-Cyanamide Equilibrium.

PI C. Nitride of Magnesium and Carbon, by A.  
Perret, J. Riethmann, 7pp  
DUTCH, per, Helvetica Chimica Acta, Vol 32,  
1949, No 5, pp 1378-1390  
SLA TB-65-10127

Sci - Chem  
June 67

328,397

Reduction of Cyclid Quaternary Ammonium  
Salts With Lithium Aluminium Hydride, by  
H. Schmid, P. Karrer.

GERMAN, per, Helvetica Chimica Acta, Mat  
Vol XXXII, x1949, 1949, p 1960.

MU/T.478

Sci-Chem  
May 63

229, 897

Karrer, P., Eugster, C. H., and Patel, D. K.  
ON THE CONTENTS OF SOME EQUISETUM  
SPECIES. [1964] 7p  
Order from K-H \$4.20

K-H-2818-a

Trans. of Helv[etica] Chim[ica] Acta (Switzerland)  
1949, v. 32, no. 7, p. 2397-2399.

TT-64-12914

- I. Karrer, P.
- II. Eugster, C. H.
- III. Patel, D. K.
- IV. K-H-2818-a
- V. Kreage-Hooker Science  
Library Associates,  
Detroit, Mich.

(Biological Sciences--Botany, TT, v. 12, no. 1)

Office of Technical Services

Organ Extracts. XVII, Isolation of Progesterone  
from the Corpus Luteum of Whale, by V. Prelog,  
P. Meister, 9 p.

*Scanned*  
~~MS205~~, manuscript, *Helv Chim Acta*, 1949, Vol XXXII,  
No 7, pp 2435-2439.

SLA 60-10397

Sci  
Apr 60  
Vol III, No 3

111, 581

*Isotopic Iron Exchange by C. Paerlly & Rosat, 1 pp*

*GERMAN*

*FRENCH, per, Helvetica Chimica Acta, Vol XXXII, No 7,*

*1959, pp 2441-2444.*

NIH 5-9-61

Sci - Med  
Jul 61

159, 546

*Transferred Spectrum of Compounds Aa and B and comparison*

The Determination of Uranium in Rocks,  
Geochemical Investigations. I., by H. Erlemeyer,  
W. Oppliger, K. Stier, M. Blumer, 17 pp.

GERMAN, per, Helvetica Chimica Acta, Vol XXXIII,  
No 1, 1950.

S.L.A.

Scientific - Chemistry

24, 817

Preparation of  $\text{GaCl}_3$  and  $\text{GaBr}$ . From Gallium and Metal Halides, by K. Clusius, F. Hitzig, 6 pp.

GERMAN, per, Helvetica Chimica Acta, Vol XXXIII,  
No 3, 1950, pp 506-511.

SLA 60-14526

Sci

Apr 61

CBS, Vol III, No 12

162,956

Solubility Product of Some Zinc Hydroxy Compounds, by W. Peitknecht.  
GERMAN, per, Helv Chim Acta, Vol 33, 1950,  
pp 922-936.

NZ

Sci-Chem  
Sept 69

392,782

Bio Lab T-607-1

R-9167-D  
16 Feb 68

Partialsynthese von Convallatoxin

By: REYKE

From: Helv. Chim. Acta. 33:1541-1546, 1950 ( 6 pp)

German - est for wds:

Please translate and type 1 camera ready copy.  
Document can be cut. Make cover as sample attached  
T-607-1.

Geochimical Investigations. Part IV, The Limits of  
Kinetically and Geogenic Ions in the Formation of  
Cathodoluminescent Rocks, by M. Blaauw.

Geochim., 1969, Vol. XXIII, No. 6,  
1969, pp. 1009-1021.

ADS 43160  
ZTB 109-6J

A

101  
May 20

27, 238

Posternak, Theodore.  
RESEARCH ON THE CYCLITOL SERIES XIV, NITROUS  
ACID DEAMINATION OF AMINO-CYCLITOLS: SYN-  
THESIS OF D,L-VI-RUJNITOL AND COMPLETE NEW  
SYNTHESIS OF MESO-INOSITOL. [1961] 20p. 27 refs.  
Order from SLA \$1.60

61-20429

- 61-20429
1. Title: Burnitol
  2. Title: Cyclitol
  1. Posternak, T.
  - II. Title: Synthesis ...

Trans. of Helvetica Chimica Acta (Switzerland) 1950,  
v. 33, p. 1597-1605.

DESCRIPTORS: Nitrous radicals, Organic acids,  
Decomposition, Amines, Synthesis, Methyl radicals,  
\*Cyclohexanols, Glucose, Reduction, Oximes,  
\*Inositols, Vitamin B complex, Reaction kinetics.

(Chemistry--Organic, TT, v. 10, no. 1)

Office of Technical Services

The Separation Tube. IX. Preparation of Pure  
Heavy Nitrogen, 15n', by Klaus Clusius, 29 pp.

GERMAN, per, Helvetica Chim Acta, Vol XXXIII,  
No 7, pp 2134-2152.

S.L.A.

Scientific - Chemistry

CRS 68/May 55

23,695

<p>Cherbuliez, Emile and Leber, Jean Pierre, VOLATILITY OF ORTHOPHOSPHORIC ACID, tr, by Bertha P. Klenova, 7 May 51, 5p. 8 refs. TVA 3019, Order from OTS or SLA \$1.10 62-25780</p> <p>Trans. of <u>Helvetic Chemical Acta</u> (Switzerland) 1950, v. 33, p. 2264-2267.</p> <p>DESCRIPTORS: *Phosphoric acids, Evaporation, Vapor pressure, Thermodynamics.</p> <p>At 130° C., orthophosphoric acid has a vapor pressure of a few thousandths of a millimeter, and this explains its perceptible volatility at this temperature. (Author)</p> <p>(Chemistry-Physical, TT, v. 9, no. 4)</p>	<p>62-25780</p> <p>I. Cherbuliez, E. II. Leber, J. P. III. TVA-3019 IV. Tennessee Valley Authority, Wilson Dam, Ala. V. 60-232* canceled</p>	<p>10-31-62</p> <p>Office of Technical Services</p>
---	--	---

On 4, 5-Dinitro-2-Methylbenzoic Acid, by  
H. Goldstein, A. Tardieu.  
GERMAN, per, Helvetica Chimica Acta, Vol XXXIV,  
No 17, 1931, pp 149-154.  
NASA TT F-9419

Sci-Chem  
Aug 65  
U. S. GOVERNMENT ONLY

280,312

Hydrazine Derivatives of the BIK Phthalazine and  
Hydrazine Series, by J. Brady, R. M. Ringier,  
Chemist, per: Maly Chim Acta, Vol 19(1), No 1,  
1951, pp 195-210.

MM 10-24-62

Spec - Chem  
1951

212, 213

Prediction of the Bactericidal Effects of  
Materials Through the Determination of their  
Affinity for Wool, by Roland Fischer, A. Bodle,  
S. Seidenberg, 20 p.

GERMAN

~~title~~, par, Helv Chim Acta, 1951, Vol XXXIV, No 1,  
pp 210-221.

SLA 59-17814

Sci  
Feb 60  
Vol 2, No 10

108,820

A Simple Merocyanine From Eneligable  
1,3 - Diketones, by W. Jenny, 7 pp

GERMAN, per, Helvetica Chim Acta,  
Vol XXXIV, 1951, pp 539-543.

CIA/FDD/X-1586

22,861

Scientific - Chemistry Apr 55 GES

Complexones XVIII. Iron II- and Iron III-Complexes  
of Edta and Their Equilibrium, by G. Schwarzenbach,  
J. Heller, 12 pp.

GERMAN, per, Helvetica Chimica Acta, Vol XXX, 1951,  
pp 576-591.

SLA 59-15666

Sci  
Jan 60  
Vol 2, No 7

105/191

Separation of Substances by Means of a Small Difference in Potential, by J. Piguet, W. Kuhn, H. Kuhn, 34 pp.

GERMAN, per, Helv Chim Acta, Vol XXXIV, 1951, pp 1183-1202.

S.L.A. Tr No 494/1955

Sci - Chemistry  
Jan 1957 CTB/dex

45-860

Concerning the Adsorption of Radon on Activated Charcoal and Silica-Gel, by O. Guebeli,  
K. Stammbach, 9 pp.  
GERMAN, per, Helvetica Chimica Acta, Vol XXXIV,  
1951, pp 1257-1243. 922 4366  
AEC-SC-T-64-613

Sci-Chem  
Aug 64

265,116

Erlenmeyer, H., Hahn, H. von, and Sorkin, E.  
A PAPER-CHROMATOGRAPHIC SEPARATION AND  
DETERMINATION OF THE ALKALI-ALKALINE  
EARTH IONS, 1962, 4p.  
Order from K-H \$5.00

K-H 9188-c

Trans. of Helvetica Chimica Acta (Switzerland) 1951,  
v. 34, p. 1419-1421.

DESCRIPTORS: \*Paper-chromatography, Separation,  
Determination, \*Alkaline earths, Ions, Alkali  
metals.

62-12749

I. -Erlenmeyer, H.  
II. Hahn, H. von  
III. Sorkin, E.  
IV. K-H-9188-c  
V. Kresge-Hooker Science  
Library Associates,  
Detroit, Mich.

(Chemistry--Analytical, TT, v. 7, no. 12)

Office of Technical Services

<p>Bader, F. THE ULTRAVIOLET ABSORPTION OF PHYTOL AND OTHER TERPENE ALCOHOLS. [1962] 5p. Order from K-H \$6.25                    K-H 5226-b  Trans. of Helvetica Chimica Acta (Switzerland) 1951, v. 34, p. 1632-1634.  DESCRIPTORS: *Ultraviolet radiation, *Absorption, *Terpenes, *Alcohols.</p>	<p>62-17781 I. Title: Phytol I. Bader, F. II. K-H-5226-b III. Kresge-Hooker Science Library Associates, Detroit, Mich.</p>	
(Biological Sciences--Biochemistry, TT, v. 8, no. 6)		Office of Technical Services

Separation of Alkali Ions With Ion Exchanger and Komplexon, by W. Buser, 9 pp.

GERMAN, per, Helv Chim Acta, Vol XXXIV, 1951,  
pp 1634-1741.

ABC Tr 177~

Scientific - Chemistry  
CTS/DEX

10,048

On De-salting of Solutions of Neutral Amino Acids  
by Means of Ion-exchangers and a New Preparative  
Process for the Group Separation of Amino-Acids in  
Egg-white Hydrolysates, by M. Brenner, R. Frey.

GERMAN, per Helv Chim Acta, Vol XXXIV, 1951,  
pp 1701-1711.

D.S.I.R./10475/CT

Scientific - Chemistry

12,164

SEX ONLY

Brunisholtz, G. and Bonnet, J.  
SEPARATION OF BORIC ACID FROM AMMONIUM  
ION AND METALLIC CATIONS BY MEANS OF ION  
EXCHANGERS. Pt. 1 of Determination of Boric Acid.  
[1961] 3p. (footnotes, table omitted).

Available on loan from SLA

62-10092

Trans. of Helvetica Chimica Acta (Switzerland) 1951,  
v. 34, no. 6, p. 2074-2075.

DESCRIPTORS: \*Boric acid, Acids, Separation, Ions,  
Ion exchange, \*Ammonium radicals.

Boric acid can be separated from the cations which  
impede its acidimetric determination ( $\text{NH}_4^+$ ,  $\text{Zn}^{++}$ ,  
 $\text{Ni}^{++}$ ,  $\text{Fe}^{+++}$ ,  $\text{Al}^{+++}$ , etc.) by means of ion  
exchangers of the sulfonic type. The use of a mixed  
indicator (methyl red + methylene blue), instead of  
the commonly used methyl red, improves the ti-  
(Chemistry--Physical, TT, v. 7, no. 4) (over)

62-10092

I. Brunisholtz, G.  
II. Bonnet, J.  
III. Title: Determination ...

Office of Technical Services

Heise, M. and Wieland, K.  
ABSORPTIONSPECTROGRAPHIC INVESTIGATIONS ON  
THE OCCURRENCE OF ALUMINUM-MONOHALO-  
GENS, PARTICULARLY OF AlCl, IN THE THERMAL  
EQUILIBRIUM. [1963] [16p] (figs tables refs omitted)  
Order from SLA \$1.60

63-18823

I. Heise, M.  
II. Wieland, K.

Trans. of Helvetica Chimica Acta (Switzerland) 1951,  
v. 34, p. 2182-2197.

DESCRIPTORS: \*Aluminum compounds, Chlorides,  
\*Spectroscopy, \*Absorption spectrum, \*Thermochemistry,  
Heat of formation, Chemical equilibrium.

The absorption bands of the AlCl radical appear at  $\gtrsim 1100^{\circ}\text{C}$ , owing to the homogeneous equilibrium (I)  
 $(\text{AlCl}_3) \rightleftharpoons (\text{AlCl}) + (\text{Cl}_2)$  and at  $\gtrsim 500^{\circ}\text{C}$ , because  
of the heterogeneous equilibrium (II)  $(\text{AlCl}_3) + 2(\text{Al}) \rightleftharpoons 3(\text{AlCl})$ . The bands were photographed and  
(Chemistry--Physical, TT, v. 10, no. 11) (over)

Office of Technical Services

Labhart, H., Lotmar, W., and Schmid, A. P.  
AN INTERFEROMETRIC MICRO-METHOD FOR  
DIFFUSION MEASUREMENTS, tr. by Bertha P. Klenova  
22 Jan 53, 10p. 27 refs. TVA 3156.  
Order from OTS or SLA \$1.10

62-25781

Trans. of [Helvetic] Chemical Acta (Switzerland) 1951,  
v. 34, p. 2449-2457.

DESCRIPTORS: \*Laboratory equipment, \*Interferometers, \*Microanalysis, \*Electrophoresis, Potassium compounds, Chlorides, Sucrose, \*Diffusion.

Diffusion measurements made with an interferometric microelectrophoresis apparatus are described. The experimental results obtained with potassium chloride and sucrose are consistent within 1.5 per cent with the data reported in the literature. A simple evaluation method of the graphs is proposed and a comparison is made with other methods. (Author)  
(Chemical-Analytical, TT, v. 9, no. 6)

(over)

62-25781

I. Labhart, H.  
II. Lotmar, W.  
III. Schmid, A. P.  
IV. TVA-3156  
V. Tennessee Valley  
Authority, Wilson Dam,  
Ala.  
VI. 60-23327 canceled

10-31-72  
Office of Technical Services

Forced Oscillations of an Incompressible and  
Viscous Liquid in a Rigid and Horizontal Tube,  
Calculation of the Force of Friction, by  
Paul Lambossey, 12 p.

GENEVA

1952, per, Helv Physica Acta, 1952, Vol XXV,  
No 4, pp 371-386.

SLA 59-17964

Sci  
Mar 60

109635

Vol 2, No 11

Influence of Acidity on the Absorption Spectrum  
of Some Vat Dyestuffs, and Relations to the  
Redox Potential, by H. Meyer, et al.

GERMAN, per, Helvetica Chimica Acta,  
Vol XXXV, 1952.

NRC Library  
Ottawa, Ref C-2419

Sci - Chem  
Apr 62

192, 100

On the Redox Potential of Some Polyhydrox-Anthraquinones and Vat Dyestuffs,  
by H. Meyer, et al.

GERMAN, per, Helvetica Chimica Acta,  
Vol XXXV, 1952.

NRC Library  
Ottawa, Ref C-2418

Sci - Chem  
Apr 62

192,101

Infrared Spectra of N-Amino Acids,  
by T. Baumann, Hs., H. GUTHRIE  
Guthrie, 8 pp.

GERMAN, per, *Helvetica Chimica Acta*,  
vol. 35(8), no. 45, 1952, pp. 53-60.

CIA 60-18030

Sci  
Feb 63

186, 743

Moulin, Fr. RESEARCHES ON 1-BENZYL AND 1-PHENYL - SUBSTITUTED 1, 2, 3-TRIAZOLES. [1961] 10p. (experimental data omitted) 15 refs. Order from SLA \$1.10	61-20654 I. Moulin, F. 61-20654
Trans. of <u>Helvetica Chimica Acta</u> (Switzerland) 1952, v. 35, p. 167-180.	DESCRIPTORS: *Azoles. Synthesis, Hydrogenation, Physical properties, Benzyl radicals, Phenyl radicals.

(Chemistry--Organic, TT, v. 7, no. 1)

Office of Technical Services

Vitamin B<sub>12</sub>. III. Isolation of Vitamin B<sub>12</sub> From  
Liver Extract and From the Residues of  
Streptomycin Manufacture: I., Experiments With  
Vitamin B<sub>12</sub>, by O. Schindler, T. Reichstein, 9 p.

GERMAN, per, Helv Chim Acta, 1952, Vol XXXV,  
pp 307-316.

SLA 60-10742

Sci  
May 60  
Vol 3, No 4

116, 755

On the Art of Drawing Refractive Index Gradients  
by Interferometer, by E. Wiedemann, 17 pp.  
UNCLASSIFIED

GERMAN, per, Helvetica Chimica Acta, Vol XXXIV, No 1,  
1 Feb 1952, pp 82-92.

Dept of Commerce 58,629  
Patent Office  
Sci Lib (gift)

Sci - Physics  
Feb 58

Jauvin, Roland and Germano, Angelo.  
CHLORINATION OF CYCLOHEXANE: A NEW ISOMER  
OF HEXACHLOROCYCLOHEXANE. [1963] 6p-7 refs  
Order from SLA \$1.10  
63-18245

Trans. of Helvetica Chimica Acta (Switzerland) 1952,  
v. 35, p. 392-396.

DESCRIPTORS: \*Cyclohexanes, \*Chlorination,  
Chlorides, Synthesis (Chemistry), Chemical analysis,  
\*Photochemistry, \*Hexachlorocyclohexanes.

(Chemistry--Organic, TT, v. 10, no. 11)

63-18245

I. Jauvin, R.  
II. Germano, A.  
III. Title: New ...

Office of Technical Services

On the Preparation of  $\alpha$ -Amino- $\gamma$ -Oxo Carboxylic Acids by Condensation of  $\alpha$ -Oxo Monobromides with Sodium Acetamido Malonic Ester,  
by O. Wiss, H. Fuchs, 6 pp.  
GERMAN, per, Helvetica Chimica Acta, 1952,  
Vol 35, No 1, pp 407-411.  
SLA TT 64-18880

Jul 66

305,415

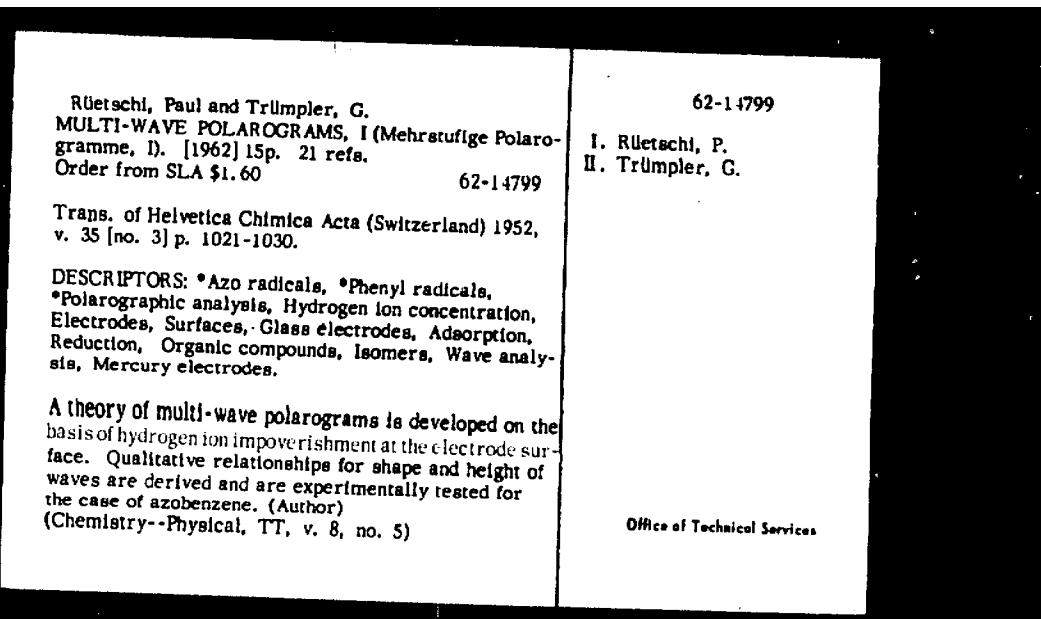
The Mechanism of Mutarotation of 5,6-Dibromocholestanate, by C. A. E Grob, S. Winstein, 20 pp.

GERMAN, per, Helv Chim Acta, Vol XXXV, 1952, pp 782-802.

SLA 62-14943  
SLA 2910

Sci - Chemistry  
Feb 50

59,500



Rüetschi, P[aul] and Trümpler, G.  
MULTI-WAVE POLAROGRAMS, II (Mehrstufige  
Polarogramme, II). [1962] 12p. 4 refs.  
Order from SLA \$1.60

62-14801

Trans. of Helvetica Chimica Acta (Switzerland) 1952,  
v. 35 [no. 5] p. 186-194.

DESCRIPTORS: \*Azo radicals, \*Phenyl radicals,  
\*Acetic acids, \*Hydrochloric acid, Acids, \*Polaro-  
graphic analysis, Hydrogen ion concentration, Elec-  
trodes, Surfaces, Dissociation, Wave analysis.

The theory of hydrogen ion impoverishment in the case  
of polarography of organic substances in insufficiently  
buffered solution is established in greater detail and is  
verified by additional experiments. The theory permits  
the calculation of multi-wave polarograms that agree  
with those found experimentally. It reproduces cor-  
(Chemistry--Physical, TT, v. 8, no. 5) (over)

62-14801

I. Rüetschi, P.  
II. Trümpler, G.

Office of Technical Services

On 4, 5-Dinitrophthalic Acid, by H. Goldstein,  
J. P. Biermann.  
GERMAN, per, Helvetica Chimica Acta, Vol XXXV,  
No 185, 1952, pp 1476-1480.  
NASA TT F-9418

Sci-Chem  
Aug 68  
U.S. GOVERNMENT ONLY

286,811

Rüetschi, P[aul] and Trümpler, G.  
MULTI-WAVE POLAROGRAMS, III (Mehrstufige  
Polarogramme, III). [1962] 23p. 12 refs.  
Order from SLA \$2.60

62-14800

Trans. of Helvetica Chlmica Acta (Switzerland) 1952,  
v. 35 [no. 6] p. 1957-1970.

DESCRIPTORS: \*Azo radicals, \*Phenyl radicals,  
\*Carboxylic acids, Acids, \*Polarographic analysis,  
Hydrogen ion concentration, Dissociation, Reduction,  
Kinetic theory, Electrodes, Surfaces, Wave analysis,  
Organic compounds.

The theory of hydrogen ion impoverishment in insufficiently buffered solution is extended to dissociable substances and is tested experimentally in the instance of *p*-azobenzenemonocarboxylic acid. It is possible to calculate wave height and curve shape and to state the (Chemistry--Physical, TT, v. 8, no. 5) (over)

62-14800

I. Rüetschi, P.  
II. Trümpler, G.

Office of Technical Services

Organic Derivatives of Clay Minerals, by  
H. Deuer, G. Huber, H. H. Günthard, 11 pp.

GERMAN, per, Helv Chim Acta, Vol XXXV,  
1952, pp 1799-1802.

NOT RELEASABLE TO FOREIGN NATIONALS

CIA/FID XX-323

51,169

Sci - Chemistry

Aug 57

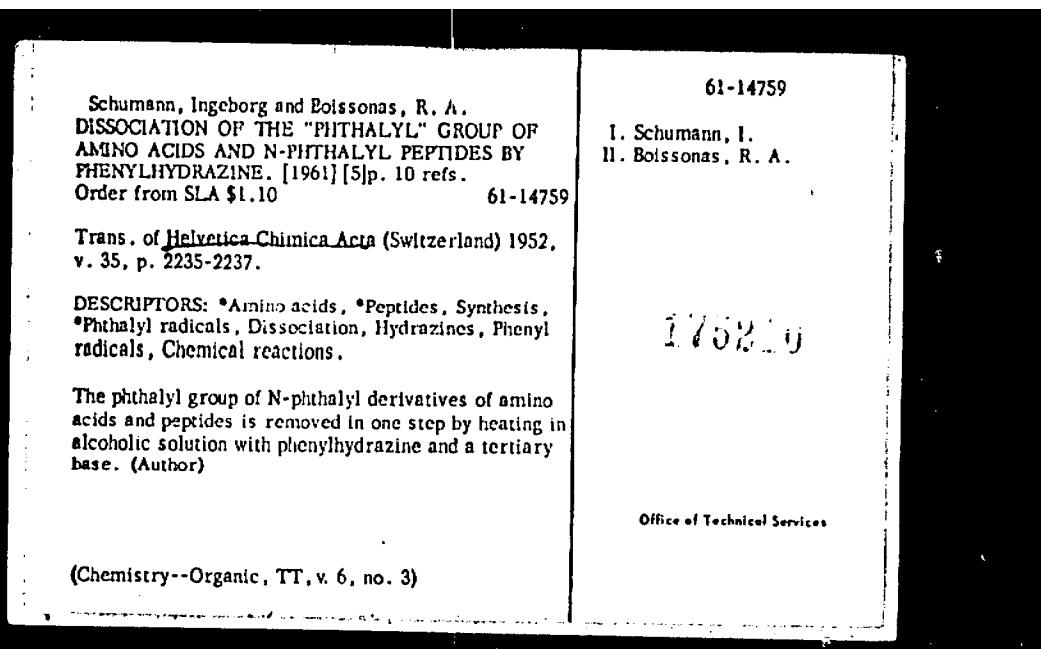
IAC INTERNAL USE ONLY

Bernhard, Karl, Gloor, Urs, and Scheitlin, Erwin. ABOUT THE DECOMPOSITION OF ALIPHATIC HYDROCARBONS WITH 8-18 C-ATOMS IN THE ANIMAL BODY. [1960] 9p. (footnotes, Eng. sum- mary omitted). Order from SLA m\$1.80, ph\$1.80      61-10403  Trans. of <u>Helvetica Chimica Acta</u> (Switzerland) 1952, v. 35 [no. 6] p. 1906-1913.	61-10403  1. Hydrocarbons-- Decomposition 2. Aliphatic compounds-- Decomposition I. Bernhard, K. II. Gloor, U. III. Scheitlin, E.  151430
Office of Technical Services (Biological Sciences--Biochemistry, TT, v. 5, no. 8)	

Molecular Eigenfunctions of Definite Symmetry:  
Linear Combinations of s-Functions, by  
H. H. Günthard, E. Heilbronner,  
GERMAN, per, Helvetica Chimica Acta, Vol 35,  
1952, pp 2149-2169.  
Dept of Navy/NRL Trans No 1140

COPYRIGHTED  
Sci-Math  
Apr 68

354,973



Determination of Niobium and Tantalum in Columbite and Euxenite, by W. D. Treadwell, et al, 20 pp.

GERMAN, per, Helvistica Chimica Acta, Vol XXXV, No 7,  
1 Dec 1952, pp 2248-2259.

S.L.A. Tr . . 742/1955  
5

Sci - Chemistry  
Apr 1957 CTS/dex

50,332

Karrer, P. and Kehrle, J.  
ON THE CONSTITUTION OF SOME UNSATURATED  
COMPOUNDS PREVIOUSLY PREPARED FROM  
[B-IONONE]. [1962] 6p.  
Order from K-H \$7.50

K-H 5226-c

Trans. of Helvetica Chimica Acta (Switzerland) 1952,  
v. 35, p. 2570-2573.

DESCRIPTORS: Chemical analysis, \*Ketones, \*Terpenes, Camphanes.

62-22481

- I. Karrer, P.
- II. Kehrle, J.
- III. K-H-5226-c
- IV. Kresge-Hooker Science  
Library Associates,  
Detroit, Mich.

(Chemistry--Organic, TT, v. 9, no. 2)

Office of Technical Services

Formation Of Nitrous Oxide In the Oxidation Of  
Ammonium Salts With Sodium Hypobromite by K.  
Clusius and G. Rechnitz.

GERMAN, per, Helvetica Chimica Acta, Vol XXXVI,  
1953, pp 59-65

CSIRO

Oct. 62

R-5724-D  
18 Aug 65

Über eine einfache Methode zur Bestimmung der  
inneren Oberfläche feinverteilter fester Substanzen.  
By: Georg Karagounis  
From: HELVETICA CHIMICA ACTA, V. 35, 1953  
pp 282-290

( 9 pp )

German - est for wds:

Type one original and one carbon copy. Do not include  
or translate graphs. Do include and translate the  
tables and formulas. Document can be cut for paste-up.

BRUNISHOLZ, G.

INSDOC-T-2042. On the complexometric estimation  
of calcium in presence of magnesium and phosphate.  
Helv. Chim Acta, 36, p.782-787, 1953.

SIA 63-16062

Garbers, C. F. and Karrer, P.  
CAROTENOID SYNTHESIS. XIL BIS-DEHYDRO-LYCOPENE AND TOTALLY SYNTHETIC CIS-LYCOPENE. [1962] 13p.  
Order from K-H \$16.25  
K-H 5472-d  
  
Trans. of Helv[etica] Chim[ica] Acta (Switzerland)  
1953, v. 36, p. 828-834.  
  
DESCRIPTORS: \*Carotenoids, Synthesis, Pigments,  
\*Plant pigments, Molecular structure.

62-22393

I. Title: Lycopene  
I. Garbers, C. F.  
II. Karrer, P.  
III. Title: Bis-dehydro-Lycopene ...  
IV. K-H-5472-d  
V. Kresge-Hooker Science  
Library Associates,  
Detroit, Mich.

(Biological Sciences--Biochemistry, TT, v. 9, no. 2)

Office of Technical Services

Comparative Study of the Cleavage of Different Blocking Groups of the  $\alpha$ -Amino Function of the Amino Acids,  
by R. A. Eoissonnas, G. Preitner, 23 pp.

~~French~~, per, Helv Chim Acta, Vol XXXVI, No 4, 1953,  
pp 109, 110; 875-886.

NIH Tr 5-13

Sci - Chem

48,022

May 57

The Separation Tube — Purification of the Light Argon Isotope  $^{36}\text{Ar}$  and Concentration of the Argon Isotope  $^{36}\text{Ar}$  Up to 90% through Use of Auxiliary Gases, by K. Clusius & E. Schumacher.  
GERMAN, per, Helvetica Chimica Acta, Vol 36, No 5,  
1953, pp 969-984. P911082468-V  
AEC-MLM-TR 1479

Sci/Chem  
Apr 68

351,306

Coenzyme A. Model Experiments on the Biological  
Acylation Reaction. The Reactivity of Thiol-  
carboxylic Acids and Their Esters, by R. Schwyzer,  
15 pp.

GERMAN, per, Helvetica Chim Acta, Vol XXXVI, 1953,  
pp 414-423.

Sci - Chemistry  
Apr 1957

SLA Tr 1600 Jan 1957  
46,172

On the Complexometric Estimation of Calcium  
in Presence of Magnesium and Phosphate, by  
G. Grunishols.

GERSH, par, <sup>H</sup> Colv Chim Acta, Vol XXXVI, 1953,  
pp 782-787.

BBM/IRISDOC-F-204

Sci

Jul 58

68,399

Cherbuliez, Emile, Leber, Jean-Pierre, and Ulrich,  
Anne-Marie.

INVESTIGATION OF THE FORMATION AND REAR-  
RANGEMENTS OF ESTERS. IV. THE BEHAVIOR  
OF ORTHOBORIC ESTERS. 11p (7 refs omitted)  
Order from SLA \$1.60

TT-64-16448

TT-64-16448  
I. Cherbuliez, E.  
II. Leber, J.-P.  
III. Ulrich, A.-M.

Trans. of Helvetica Chimica Acta (Switzerland) 1953,  
v. 36, no. 4, p. 910-918.

(Chemistry--Organic, TT, v. 12, no. 4)

Office of Technical Services

Metal Complexes and Tuberculestatic Acitivity, by  
H. Erlenmeyer.

GERMAN, per, Helv Chim Acta, Vol XXXVI, pp 941-  
949, 1953.

ASLIB-GB2

Sci - Chem  
Aug 58

70,728

Complexes of (ethylenediamine) Tetra-acetate and with  
Vanadium ( $\text{-H}_4\text{Y}$ ), by G. Schwarzenbach, J. Sanderu, 16 pp.

GERMAN, per, Helv Chim Acta, Vol XXXVI, 1953, pp 1069-  
1100.

Acc CLE Tr A245

Reverse Trans. German to French  
Feb 19

Separation of Rare Earths in Aqueous Solution by  
Ionic Migration, by K. Clusius, E. R. Ramirez,  
9 pp.

GERMAN, per, Hely Chim Acta, Vol XXXVII, No 144,  
1953, pp 1160-1165.

SLA 57-2327  
AEC-TR-2930

Jul 58

69, 958

Researches on Casein VII. Identity of -Caseins  
and Paracasein, by E. Cherbellez, Bertrand Wolf,  
1 p.

GERMAN, per, Helv Chim Acta, Vol XXXVI, Aug 1953,  
pp 1174-1177.

S.L.A. Tr 96

EEur - Germany 32 770  
Scientific - Chemistry

Relative Differences in the  $H_2O^{18}$ -Content of  
Natural Waters, by P. Baertschi, 16 pp.

GERMAN, per, Helvetica Chimica Acta, Vol  
XXXVI, No 6, 1953, pp 1352-1369.

S.L.A. Tr 1075/1956

Sci - Chemistry  
Oct 56 CTS

39,497

Treadwell, W. D. and Werner, W.  
THE DETERMINATION OF THE VAPOR PRESSURES  
OF SOLID CESIUM, RUBIDIUM, AND POTASSIUM  
CHLORIDE BY THE ENTRAINMENT METHOD IN A  
STREAM OF NITROGEN. [1963] [14]p. 23 refs.  
Order from SLA \$1.60

63-16871

63-16871  
1. Title: Entrainment  
I. Treadwell, W. D.  
II. Werner, W.

Trans. of Helvetica Chimica Acta (Switzerland) 1953,  
v. 36, p. 1436-1444.

DESCRIPTORS: \*Cesium compounds, \*Rubidium com-  
pounds, \*Potassium compounds, \*Chlorides, Sublima-  
tion, \*Vapor pressure, Determination, \*Nitrogen,  
Entropy, Volumetric analysis.

The sublimation pressures of cesium, rubidium and  
potassium chloride were determined according to the  
transport method with the use of nitrogen as the trans-  
port gas to be in the respective temperature ranges of  
(Chemistry--Physical, TT, v. 10, no. 6) (over)

Office of Technical Services

Study of Natural Convection Currents in Electrolysis  
by N. Ibl, W. Ruegg, G. Trumper, 12 pp.

Full translation.

GERMAN, per, Helv Chim Acta, Vol XXXVI, No 6,  
1953, pp 1624-1630.

S.L.A. A L-310  
Scientific - Electricity 4/63 TT-64-10129

25, 921

Jul 1955

Preparation of Phenyl Hydrazine by  
Electrolytic Reduction of Diazonium  
Compounds, by R. Rutschi, G. Trumpler.  
SWEDISH, per, Helvetica Chimica Acta,  
Vol XXXVI, 1953, pp 1649-1658.  
SLA TT 64-20351

Sci

May 67

327,227

Infrared Spectra of Chain Molecules of the Formula  
 $R'CO(CH_2CH_2)_nCO'R$ . I. Fundamental Tones for Rocking  
and Twisting, by H. Primas, H. Gunthard.

GERMAN, per, Helvetica Chimica Acta, Vol XXXVI,  
1953, pp 1659-1670.

CSIRO Tr 5029

Sci - Chem

Jun 61

157,795

A Mechanical Model for Determination of the  
Absorption Maxima of Organic Dyestuffs on the  
Basis of Their Chemical Constitution, by H.  
Labhart, 12 pp.

GERMAN, per, Helv Chim Acta, Vol XXXVI, 1953,  
pp 1689-1698.

CIA/FDD/X-1401

16,777

Scientific - Chemistry

Aug CTS/DEX

Preparation of Highly Xanthated Cellulose Xanthates.  
Part II, by Ernst Geiger, B. J. Weiss, 11 pt.

GERMAN, per, Helvetica Chimica Acta, (Switzerland),  
Vol XXVI, No 247, 1953, pp 2009-2017.

SLA 59-10152

Sci - Chem  
OTS I, 9  
Jun 59

89,523

Zimmermann, J.  
TRITERPENES AND PIGMENTS IN FLOWERS AND  
FRUITS, I. [1962] 5p.  
Order from K-H \$6.25

K-H 3658

Trans. of Helvetica Chimica Acta (Switzerland) 1954  
[v. 37] p. 332-334.

DESCRIPTORS: \*Terpenes, \*Plant pigments, \*Plants,  
\*Fruits.

62-22898

I. Zimmermann, J.  
II. K-H-3658  
III. Kraske-Hooker Science  
Library Associates,  
Detroit, Mich.

(Agriculture--Plant Cultivation, TT, v. 9, no. 1)

Office of Technical Services

Investigation of Natural Convection in Electrolysis:  
Interferometric Studies of Diffusion Layer I, by  
N. Ibl, et al, 28 pp.

GERMAN, per, Helvetica Chemica Acta, Vol XXXVII,  
No 2, 1954, pp 583-597.

S.L.A. Tr No 277/1955

44, 939

Sci - Chemistry  
Jan 1957 CMS/dex

SLA TT-64-10153

Preparation of Aminoacid- and Peptide Thioesters,  
by R. Schwyzer, 5 pp.

GERMAN, per, Helv Chim Acta, Vol XXXVII, 1954,  
pp 647-649.

S.L.A. Tr 635/1955

Sci - Chemistry  
Apr 1957 CMS/dex

50, 257

KK945

On a Melting-Point Depression of Organic Substances in Thin Films, by G. Karagounis, 13 pp.

GERMAN, per, *Helvetica chimica acta*, Vol XXXVII, 1954, pp 805.814.

SLA Tr 1620 Jan 1957

Sci - Chem  
Apr 1957

46,181

Phermocological-Chemical Studies in the  
Heterocyclic Series. Eighth Report (1)  
Cyclidazine V. Alkylation and Rearrangements in the  
Cyclic Malic Acid Hydrate Series, by K.  
Buchenberger, et al., 42 pp.

GERMAN, per, Helv Chim Acta, Vol XXXVII, p 837,  
1954.

S.I.A. No 576/56

39,097

Sci - Chemistry  
Sep 56 OIS

A Simplified Method for Obtaining Human  
Albumin and Gamma-Globulin From Blood Plasma  
by Alcohol Precipitation, by Hs. Nitschmann,  
P. Kistler, W. Lergier, 17 pp.

GERMAN, per, Helv Chim Acta, Vol XXXVII, No 3,  
1954, pp 866-873.

NIH

Scientific - Chemistry

CTS/DEX

13, 812

Complexes XXV. Polarographic Investigation of Exchange Equilibria; New Data on the Formation Constants of Metallic Complexes of Ethylenediamine Tetra-acetic Acid and of 1,2-Diaminocyclohexane Tetrasacetic Acid, by G. Schwarzenbach, R. Gut, G. Anderegg, 25 pp.

GERMAN, per, Helv Chim Acta, Vol XXXVII, No 4, 1954,  
pp 937-957.

SLA 60-14044

169,070

Sci

Sep 61

Vol XXXVII, No 4

Modification of the Method for Determining C-Methyl,  
Using Minimal Amounts of Substance, by C. F.  
Garbers, H. Schmidt, P. Karrer, 4 pp.

GERMAN, per, Helvetica Chimica Acta, Vol XXXVII,  
No 4, 1954, pp 1336-1338.

SLA 60-14124

Sci  
OTS, Vol III, no 8  
Apr 61

145,116

The Question of Hepatitis Transmission by  
Gamma-Globulin, by M. Berger, A. Hassig,  
P. Zumstein, 3 pp.

GERMAN, per, Helv Chim Acta, Vol XXXVII, No 5,  
1954.

NIH

Scientific - Medicine

CTS/DEX

13, 813

The Determination of Thermodynamic Acidity  
Constants, by R. G. Bates, G. Schwarzenbach,  
13 pp.

GERMAN, per, Helv Chem Acta, Vol XXXVII, 1954,  
pp 1069-1079.

A.E.R.E. Harwell Lib Tr 716

Sci - Chemistry  
March 57 CIS/dex 44,357

Wilt Substances and Antibiotics. 15th Report.  
Constitution and Synthesis of Fusaric Acid. S  
Synthesis of 5-Ethyl-and 5-N-Hexyl-Pyridine-2-  
Carbonic Acid, by P. A. Plattner.  
GERMAN, per, Helv Chim Acta, Vol 37, No 5, 1954,  
pp 1379-1392.  
HEW NIH  
5-5-69

Sci/B\$M  
Aug 69

388,769

Knowledge of the Basic Azides: I. The Basic  
Lead Azides, by W. Feitknecht, M. Sahli.

GERMAN, per, Helv Chem Acta, Vol XXXVII,  
No 5, (166), 1954, pp 1423-1431.

TPA3/TIB T 4469

Sci - Chemistry'

30,069

On the Knowledge of Basic Azides: 2. The  
Hydrolysis of Lead Azide, by W. Feitknecht,  
M. Schlii.

GERMANY, per, Helv Chim Acta, Vol XXXVII,  
No 5, 1954, pp 1431-1436.

TPA3/TIB T 4521

Sci - Chemistry

30, 164

Microbiological Hydroxylation of Steroids  
in 17 $\alpha$  Position (1). Microbiological  
Reactions, 4th Report (2), by C. Moystre, E.  
Vicher, A. Wettstein, 8 pp.

GERMAN, per, Helv Chim Acta, Vol XXXVII, No 5,  
1954, pp 1548-1553.

SIA 57-1919

May 58

64,578

A Pasteurizable Human Plasma Protein Solution  
Obtained by Desalting of Plasma with Ion  
Exchangers, by H. Kitschmann, P. Kistler, 16 pp.

GERMAN, per, Helv Chim Acta, Vol XXXVII, 1954,  
pp 1767-1778.

SLA 57-2721

Sci  
Aug 58

70, 411

... 111

Utzinger, G. Ed. and Regenass, F. A.  
A SPECIFIC REAGENT FOR ALDEHYDES, I. [1962] 6p.  
Order from K-H \$7.50 K-H 3504 c

Trans. of Helv[etical] Chim[ica] Acta (Switzerland) 1954,  
v. 37, p. 1901-1903.

DESCRIPTORS: \*Reagents, \*Aldehydes.

62-22819

- I. Utzinger, G. E.
- II. Regenass, F. A.
- III. K-H-3504-c
- IV. Kresge-Hooker Science  
Library Associates,  
Detroit, Mich.

(Chemistry--Organic, TT, v. 9, no. 1)

Office of Technical Services

Concerning the Mixed Adsorption of Radon on  
Activated Charcoal With Various Carrier Gases,  
by O. Guebeli, M. Stoerli, 9 pp.  
GERMAN, per, Helvetica Chemica Acta, Vol XXXVII,  
1954, pp 2224-2230. 922 3537  
AEC-SC-T-64-616

Sci-Chem  
Aug 64

265,119

Influence of Phytol on the Fat Metabolism  
of the Liver, by K. Bernhard.  
GERMAN, per, Molv Chim Acta, Vol XXXVII, 1954,  
pp 2356-2360.  
HEW NIH No 3-24-66

Sci - B/M  
May 66

301.330

4. The Analysis of Brass by Vacuum  
Distillation, by W. D. Treadwell and G.  
K Frey, 12 pp.

GERMAN, per, Helvetica Chimica Acta,  
Vol XXVII, 1955, pp 42-50.

CIA/FED/Z-223

Sci - Chemistry, minerals/metals

32,228

New High-Performance Laboratory Centrifuges, Pt. I., b  
by E. Wiedmann.  
GERMAN, per, Helvetica Chimica Acta, 1955, vol. 38  
no. 5/6, pp. 37-46.  
ATS-39R78AG

Chem  
Aug 66

7  
306,608

On the Radon Adsorption With Activated Charcoal in  
the Open System of the Free Gas Flow, by O. Gubell,  
M. Stori, 7 pp.  
GERMAN, per, Helvetica Chimica Acta, Vol XXXVIII,  
1955, pp 180-185. 9224356  
~~XK&SC-64-617~~  
AEC-SC-Tx-64-617

Sci-&Chem  
Aug 64

265,157

Colorimetical Determination of Zirconium  
With Alizarin, by S. Gubeli, A. Jacob.

GERMAN, per, Helvetica Chimica Acta,  
Vol XXXVIII, No 117, pp 1026-1032.

CSIRO

Sci - Chem  
May 62

196, 401